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APPLICATION NO.	FILING DATE	FIRST NAMED INVENTOR	ATTORNEY DOCKET NO.	CONFIRMATION NO.
09/601,810	08/03/2000	Robert John Colver	1518.005	3585

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EXAMINER

NGUYEN, CHI Q

ART UNIT PAPER NUMBER

3635

DATE MAILED: 02/05/2004

Please find below and/or attached an Office communication concerning this application or proceeding.

Office Action Summary

Application No.

09/601,810

Applicant(s)

COLVER, ROBERT JOHN

Examiner

Chi Q Nguyen

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-- The MAILING DATE of this communication appears on the cover sheet with the correspondence address --

Period for Reply

A SHORTENED STATUTORY PERIOD FOR REPLY IS SET TO EXPIRE 03 MONTH(S) FROM THE MAILING DATE OF THIS COMMUNICATION.

- Extensions of time may be available under the provisions of 37 CFR 1.136(a). In no event, however, may a reply be timely filed after SIX (6) MONTHS from the mailing date of this communication.
- If the period for reply specified above is less than thirty (30) days, a reply within the statutory minimum of thirty (30) days will be considered timely.
- If NO period for reply is specified above, the maximum statutory period will apply and will expire SIX (6) MONTHS from the mailing date of this communication.
- Failure to reply within the set or extended period for reply will, by statute, cause the application to become ABANDONED (35 U.S.C. § 133).
- Any reply received by the Office later than three months after the mailing date of this communication, even if timely filed, may reduce any earned patent term adjustment. See 37 CFR 1.704(b).

Status

- 1) ☒ Responsive to communication(s) filed on 12 November 2003.
- 2a) ☒ This action is **FINAL**. 2b) ☐ This action is non-final.
- 3) ☐ Since this application is in condition for allowance except for formal matters, prosecution as to the merits is closed in accordance with the practice under *Ex parte Quayle*, 1935 C.D. 11, 453 O.G. 213.

Disposition of Claims

- 4) ☒ Claim(s) 42-56 is/are pending in the application.
- 4a) Of the above claim(s) _____ is/are withdrawn from consideration.
- 5) ☐ Claim(s) _____ is/are allowed.
- 6) ☒ Claim(s) 42-56 is/are rejected.
- 7) ☐ Claim(s) _____ is/are objected to.
- 8) ☐ Claim(s) _____ are subject to restriction and/or election requirement.

Application Papers

- 9) ☐ The specification is objected to by the Examiner.
- 10) ☒ The drawing(s) filed on 03 August 2000 is/are: a) ☒ accepted or b) ☐ objected to by the Examiner.
- Applicant may not request that any objection to the drawing(s) be held in abeyance. See 37 CFR 1.85(a).
- Replacement drawing sheet(s) including the correction is required if the drawing(s) is objected to. See 37 CFR 1.121(d).
- 11) ☐ The oath or declaration is objected to by the Examiner. Note the attached Office Action or form PTO-152.

Priority under 35 U.S.C. §§ 119 and 120

- 12) ☒ Acknowledgment is made of a claim for foreign priority under 35 U.S.C. § 119(a)-(d) or (f).
- a) ☒ All b) ☐ Some * c) ☐ None of:
- 1) ☒ Certified copies of the priority documents have been received.
 - 2) ☐ Certified copies of the priority documents have been received in Application No. _____.
 - 3) ☐ Copies of the certified copies of the priority documents have been received in this National Stage application from the International Bureau (PCT Rule 17.2(a)).
- * See the attached detailed Office action for a list of the certified copies not received.
- 13) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. § 119(e) (to a provisional application) since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.
- a) ☐ The translation of the foreign language provisional application has been received.
- 14) ☐ Acknowledgment is made of a claim for domestic priority under 35 U.S.C. §§ 120 and/or 121 since a specific reference was included in the first sentence of the specification or in an Application Data Sheet. 37 CFR 1.78.

Attachment(s)

- 1) ☐ Notice of References Cited (PTO-892)
- 2) ☐ Notice of Draftsperson's Patent Drawing Review (PTO-948)
- 3) ☐ Information Disclosure Statement(s) (PTO-1449) Paper No(s) _____
- 4) ☐ Interview Summary (PTO-413) Paper No(s). _____
- 5) ☐ Notice of Informal Patent Application (PTO-152)
- 6) ☐ Other: _____

DETAILED ACTION

Claim Objections

The numbering of claims is not in accordance with 37 CFR 1.126 which requires the original numbering of the claims to be preserved throughout the prosecution. When claims are canceled, the remaining claims must not be renumbered. When new claims are presented, they must be numbered consecutively beginning with the number next following the highest numbered claims previously presented (whether entered or not).

Misnumbered claims 41-54 been renumbered 43-56 because the amendment filed on 5/15/03 included claim 42.

Claims 43-56 are rejected under 35 U.S.C. 103(a) as being unpatentable over Payne (US 5,735,639) in view of Bowers (US 3,605,350).

Payne teaches the module structure comprising a plural of rectangular frame members 130, 132, each rectangular frame member having a plurality of frame members with a long, and short sides and running parallel to each other, horizontal runner 312, sheeting members 36-44 to the frame structure members for forming an enclosure 30, four external corner 282. Each of the rectangular frame members is formed by interconnecting four individual frame sections (fig. 8), and made by light steel material, C-shaped cross-section 334 (figs. 6-7). The module structures are stack-up side-by-side, and one on top of another (figs. 20-21).

Payne does not teach expressly the frame members with a plurality of horizontal runners parallel to each other and with a second predetermined spacing between each

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adjacent pair of runners to form a lattice framework. Bowers teaches the modular housing structure comprises frame members having a plurality of horizontal runners 28 spacing, parallel to each other (see fig. 3). At the time of the invention, it would have been obvious to a person ordinary skill in the art to combine Payne with Bowers for the plurality of horizontal runners secured to the frame members. The motivation for doing so would have been to provide more embracement, rigidity and stronger for the module units.

Payne and Bowers teach the structural elements for the module units except for the method of assembly, examiner considers this to be the obvious method of setting up the device of claims because in bracing a wall form, one must obviously position two opposite sidewalls, secure to the corner elements, connect the frame structures to roof and floor frames, which also secure to the corner elements, attach more than one horizontal runners to the frame structures, attach wall sheets to the frames and stack one up to another module unit.

Response to Arguments

Applicant's arguments filed 5/15/03 that the prior art teach substantially standard rectangular corner structures, which bear the majority of the load and not uniformly distributed throughout the framework have been fully considered but they are not persuasive because Payne ('639) fig. 10 teaches the modular mobile structure having a roof structure, a floor structure, and two pair of sidewalls comprises of rectangular frames connecting to each other by corner connectors. The examiner agrees that Payne does not teach more than one horizontal runners. However, it would have been obvious

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to put more than one horizontal runners taught by Bowers to embrace sidewalls more rigidity; thus, the frame structures having capability to distribute uniformly the load throughout the frame structure.

Conclusion


THIS ACTION IS MADE FINAL. Applicant is reminded of the extension of time policy as set forth in 37 CFR 1.136(a).

A shortened statutory period for reply to this final action is set to expire THREE MONTHS from the mailing date of this action. In the event a first reply is filed within TWO MONTHS of the mailing date of this final action and the advisory action is not mailed until after the end of the THREE-MONTH shortened statutory period, then the shortened statutory period will expire on the date the advisory action is mailed, and any extension fee pursuant to 37 CFR 1.136(a) will be calculated from the mailing date of the advisory action. In no event, however, will the statutory period for reply expire later than SIX MONTHS from the mailing date of this final action.

Any inquiry concerning this communication or earlier communication from the examiner should be directed to Chi Q. Nguyen whose telephone number is (703) 605-1224, Mon-Thu (7:00-5:30), Fridays off or examiner's supervisor, Carl Friedman can be reached at (703) 308-0839. The fax number for the organization where this application or proceeding assigned is (703) 872-9306.

Any inquiry of a general nature or relating to the status of this application or proceeding should be directed to the receptionist whose telephone number is (703) 308-1113.

CPW
1/10/04


Carl D. Friedman
Supervisory Patent Examiner
Group 3600